

Table 6-2
Summary Statistics for Dioxin and Furan Concentrations in Soil Investigation Area 4 and Adjacent Subsurface Soils Samples

Analyte	Number of Samples	Number of Detected Measurements	Detection Frequency	Concentration (ng/kg dw)		
				Minimum	Maximum	Mean
2,3,7,8-TCDD	52	39	75%	0.0110	222	8.09
1,2,3,7,8-PeCDD	52	39	75%	0.0217	4.70	0.643
1,2,3,4,7,8-HxCDD	52	39	75%	0.0290	6.60	0.966
1,2,3,6,7,8-HxCDD	52	46	88%	0.0605	36.6	3.76
1,2,3,7,8,9-HxCDD	52	49	94%	0.160	22.8	2.89
1,2,3,4,6,7,8-HpCDD	52	52	100%	2.52	980	130
OCDD	52	52	100%	87.2	57,900	6,070
2,3,7,8-TCDF	52	46	88%	0.0291	647	26.1
1,2,3,7,8-PeCDF	52	41	79%	0.00915	28.2	1.54
2,3,4,7,8-PeCDF	52	40	77%	0.00940	16.3	1.44
1,2,3,4,7,8-HxCDF	52	49	94%	0.00930	38.4	3.09
1,2,3,6,7,8-HxCDF	52	35	67%	0.00960	13.7	1.29
1,2,3,7,8,9-HxCDF	52	12	23%	0.00990	0.854	0.0996
2,3,4,6,7,8-HxCDF	52	31	60%	0.00990	11.6	1.00
1,2,3,4,6,7,8-HpCDF	52	51	98%	0.160	202	16.5
1,2,3,4,7,8,9-HpCDF	52	36	69%	0.0198	13.4	1.60
OCDF	52	51	98%	0.466	700	80.1
TEQ _{DF,M}	52	52	100%	0.134	303	16.5

Notes

Summary statistics calculations include detected and nondetected values. Nondetected values were set to one-half the detection limit.

TEQ_{DF,M} (ND=1/2DL) = Toxicity equivalent for 2,3,7,8-tetrachlorinated dibenzo-p-dioxin (TCDD) calculated using dioxins and furans and mammalian toxicity equivalency factors (Van den Berg et al. 2006) with nondetects set at one-half the detection limit.

dw = dry weight